

# Classifying Pneumonia X-Rays

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# Overview

## ***Our Objective***

- Classify pneumonia
- Minimize false diagnoses
- Improve hospital system



# Outline

- Why it's Relevant
- Pneumonia X-Rays
- Model's Performance
- Demonstration

# Business Understanding



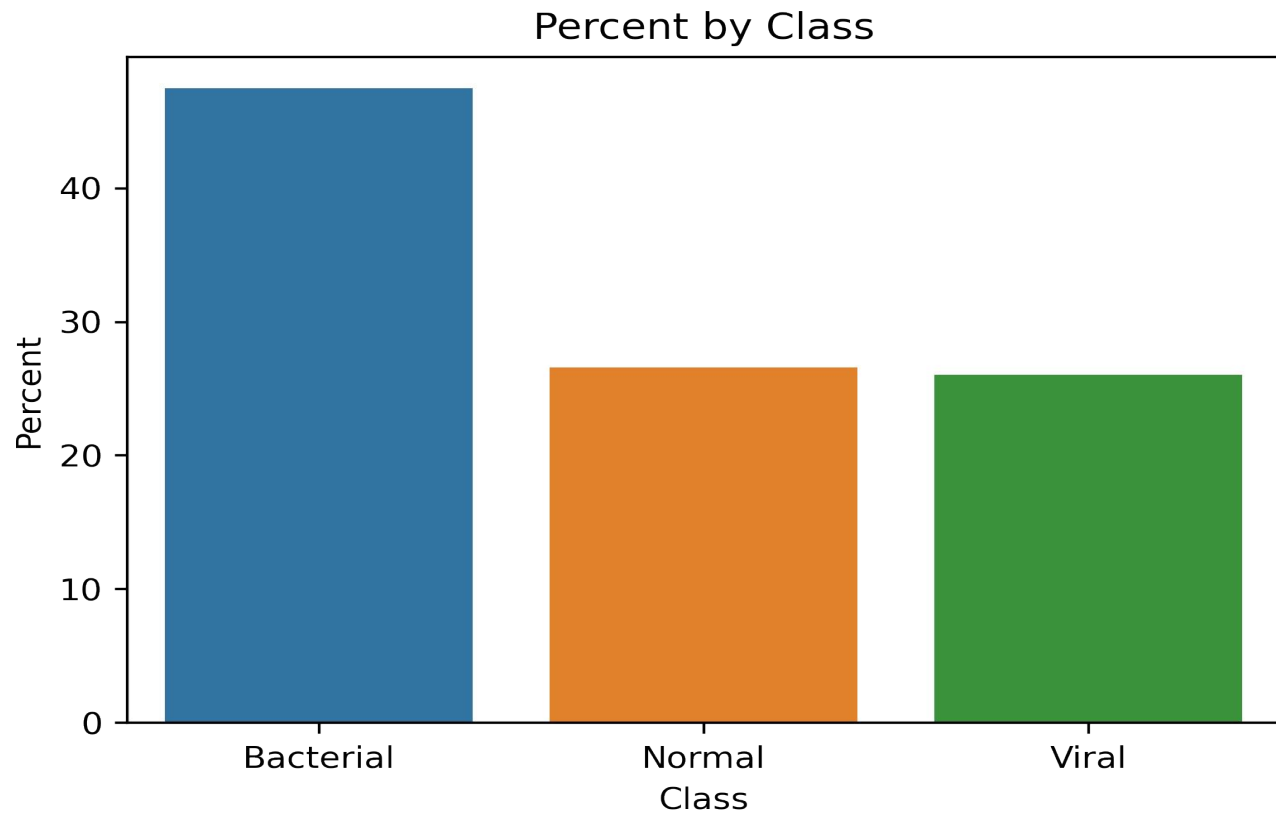
**bacteria**



**viruses**



# The Data



# Pneumonia Evaluation: X-Rays

Normal X-Ray



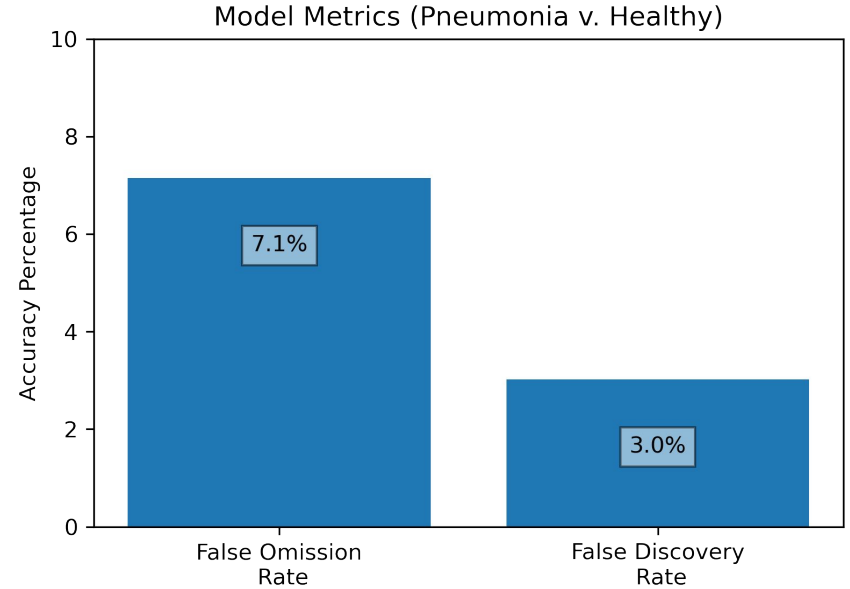
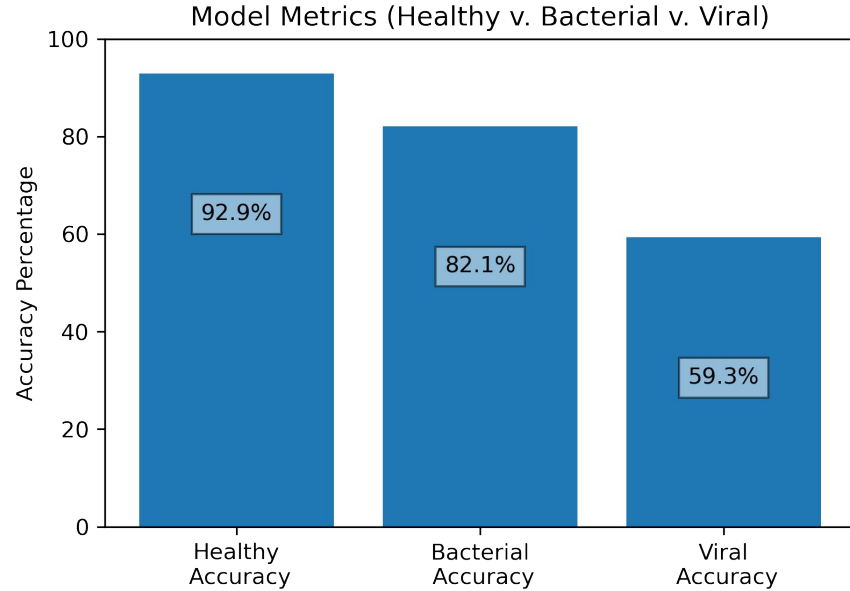
Bacterial X-Ray



Viral X-Ray



# Model Metrics




# Demonstration

## Pneumonia Classification by Image Demo

Upload an X-ray image of a patients chest for classification prediction.

input\_img



Clear

Submit

Predicted Classification

Viral

[Link](#)



# Next Steps

- Add patient data
- Integrate model
- Pilot program



# Thank You



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**Leif Schultz**



**Ilan Haskel**



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